

# VALIDATION OF SEVERAL BRAZILIAN *MIKANIA* (COMPOSITAE: TRIBE EUPATORIEAE) NAMES

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## ABSTRACT

*Mikania hoffmanniana* var. *macrophylla*, *M. pseudohoffmanniana*, *M. pseudohoffmanniana* var. *microphylla*, and *M. barrosoana* are validated as new species.

## RESUMEN

Se validan como nuevas especies *Mikania hoffmanniana* var. *macrophylla*, *M. pseudohoffmanniana*, *M. pseudohoffmanniana* var. *microphylla*, y *M. barrosoana*.

KEY WORDS: Compositae, Eupatorieae, *Mikania*, Brazil.

In studying the *Mikania* species of Paraná, Brazil, it was determined that several of the species and varieties proposed by Barroso (1958) were not validly published because of failure to indicate the nomenclatural type as required by Article 37 of the International Code of Botanical Nomenclature. Article 37 states that "publication on or after 1 Jan. 1958 of the name of a new taxon of the rank of family or below is valid only when the nomenclatural type is indicated." In such cases where types have not been designated, valid publication can be effected by reference to the original protologue and designation of a type specimen for each of the proposed names. While I am not obligated to retain the names as proposed by Barroso (1958), I elect to do so in an effort to promote a sense of nomenclatural stability. It should be noted that although dated as 1958, Barroso's treatment of the *Mikania* of Brazil was not released until 1959.

***Mikania hoffmanniana* Dusén ex Malme var. *macrophylla* G. M. Barroso ex W. Holmes, var. nov.** BASIONYM: *Mikania hoffmanniana* Dusén ex Malme var. *macrophylla* G. M. Barroso, nom. illeg., Arq. Jardim. Bot. Rio de Janeiro 15:284. 1958 [1959]. TYPE: BRAZIL. Rio de Janeiro, Serra dos Órgãos, Pedra do Roncador, 1600 m, 11 Jul 1940, *Brade* 16701 (HOLOTYPE: RB).

***Mikania pseudohoffmanniana* G. M. Barroso ex W. Holmes, sp. nov.** BASIONYM: *Mikania pseudohoffmanniana* G. M. Barroso, nom. illeg., Arq. Jardim Bot. Rio de Janeiro 15:285–286. 1958 [1959]. TYPE: BRAZIL. PARANÁ, Carvalho, 12 Sep 1911, *Dusén* 12189 (HOLOTYPE: S).

Synonyms include *Mikania hoffmanniana* Dusén ex Malme var. *polycephala* Dusén ex Malme and *Mikania polycephala* Dusén ex Malme, nom. nud. in syn., both published in Svensk. Vet. Akad. Handl. Ser. 3. 9(2): 54. 1933. While the

varietal name has date priority, the name *Mikania polycephala* was previously and validly published by Urban in *Symb. Antill.* 2: 459. 1901 as the name of a species from Hispaniola.

***Mikania pseudohoffmanniana*** G. M. Barroso ex W. Holmes var. ***microphylla*** G.M. Barroso ex W. Holmes, var. nov. BASIONYM: *Mikania pseudohoffmanniana* G. M. Barroso var. *microphylla* G. M. Barroso, nom. illeg., *Arq. Jardim Bot. Rio de Janeiro* 15: 286. 1958 [1959]. TYPE: BRAZIL. PARANÁ, Estrada da Graciosa, Alta da Serra, 22 Apr 1951, *Gert Hatschbach* 2244 (HOLOTYPE: MBM).

***Mikania barrosoana*** G. M. Barroso ex W. Holmes, sp. nov. BASIONYM: *Mikania barrosoana* G. M. Barroso, nom. illeg., *Arq. Jardim Bot. Rio de Janeiro* 15:296–297. 1958 [1959]. TYPE: BRAZIL. Rio de Janeiro, Cantagalo a Laranjeiras, 5 Jul 19881, *Glazion* 12872 (HOLOTYPE: R).

In addition to the above, a type specimen is not designated for *Mikania rotundifolia* Barroso, *Arq. Jardim Bot. Rio de Janeiro* 15: 251. 1958 [1959]. That name, however, is considered to be a synonym of *M. salzmanniaefolia* DC., thus need not be validated.

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#### REFERENCE

- BARROSO, G. M. 1958 [1959]. *Mikaniae do Brasil*. *Arq. Jardim Bot. Rio de Janeiro* 16:239–333, pl. 1–31, foto 1–57.